



Project: Alaska Copper Works

Inspection Date: 9/9/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm) Influent 98 Effluent n/a The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 10 Effluent 6 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 10 Effluent 7

Carbon Filter Pressures (Lead) Influent n/a Effluent n/a The carbon filters should be backflushed if differential

Carbon Filter Pressures (Lag) Influent n/a Effluent n/a pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cleaned
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	50 Gal 10% Caustic 55 Gal 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.51</u>	Turbidity	<u>15.5</u>	NTU
Bag Filter Influent	pH	<u>7.00</u>	Turbidity	<u>7.82</u>	NTU
Bag Filter Effluent	pH	<u>7.05</u>	Turbidity	<u>3.65</u>	NTU
Carbon Filter Influent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU
Carbon Filter Effluent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank:	<u>n/a</u>
Treatment tank:	<u>n/a</u>
Backflush tank:	<u>n/a</u>
Main lift station:	<u>n/a</u>
North lift station:	<u>n/a</u>
South lift station:	<u>n/a</u>

Additional Comments, Recommendations and System Upsets:

Manually operated all lift stations to verify operations.
Fully closed Holding Tank 1 upon arrival.

David DuBois

Technician

Project Lead Tech

Title

9/9/19

Date

Submit